

AMENDMENTS

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 19 on page 5 with the following paragraph:

Some prior solutions to the problem of collisions between competing systems sharing a common frequency band have relied on a spoofing technique to spoof terminals into thinking that the media was busy during a time period identified by a duration field defined by the 802.11 standard. 802.11 STAs have a mechanism called the Network Allocation Vector (NAV) that can be set to prevent the STA from transmitting. However, the NAV is set only under very specific conditions that do not exist at the time the HIPERLAN/2 frames need to seize the medium.

Many existing STA cannot be modified to set the NAV based on the detection of HIPERLAN/2 transmissions. A network allocation vector (NAV) normally is set to indicate that a media is busy even if no signal is detected. Hence setting of the NAV may be used to inhibit unwanted transmissions in cases where they might interfere with other transmissions that are undetectable to the potentially interfering station. ~~Such a system is described in my co-pending patent application Serial Number _____ filed _____ and entitled “_____.”~~ Possible spoofing frames / frame sequences that could be useful include a CTS transmitted by an AP, a data frame transmitted by an AP, an RTS transmitted by an AP followed by a CTS from a station, the prior RTS / CTS combination followed by an additional CTS frame from the AP, or the prior RTS/CTS combination followed by a data frame. Other frame sequences can also be used with this regard.